

WHAT IS CLAIMED IS:

1. A checking machine for being used in a fabricating process of a display module and checking a position of a tape automated bonding (TAB) region, comprising:

5        a main holder having an inclined panel positioned at an inclination  $\beta$  relative to the horizontal, wherein the range of said inclination  $\beta$  is  $0^\circ < \beta \leq 90^\circ$ ;

10        a test plate having a first hollow portion for suiting a size of said display module and a circuit plate disposed around said first hollow portion for suiting said position of said tape automated bonding region; and

         a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is electrically connected with said circuit plate.

15        2. The checking machine according to claim 1, wherein the range of said inclination  $\beta$  is  $20^\circ \leq \beta \leq 60^\circ$ .

3. The checking mechanism according to claim 1, wherein said test plate further comprises :

20        a supporting plate having said circuit plate thereon and a second hollow portion for receiving said display module; and

         a splint having a third hollow portion for covering on said supporting plate, thereby said display module is clipped between said supporting plate and said splint.

25        4. The checking machine according to claim 1, comprising a back light source disposed in said main holder for providing a beam for checking said display module.

5. The checking machine according to claim 1, wherein said fixing device comprises:

a first button for receiving an activation command;

an X-axial pressure-drawing module for moving toward X-axial  
5 direction to fix a first end of said test plate in response to said activation command; and

a Y-axial pressure-drawing module for moving toward Y-axial  
direction to fix a second end of said test plate in response to said  
activation command.

10 6. The checking machine according to claim 5, wherein said X-axial pressure-drawing module is one of a pneumatic module and a hydraulic module.

7. The checking machine according to claim 5, wherein said Y-axial pressure-drawing module is one of a pneumatic module and a hydraulic  
15 module.

8. The checking machine according to claim 5, wherein one of said X-axial pressure-drawing module and said Y-axial pressure-drawing module is a motor-and-cam module.

9. The checking machine according to claim 5, wherein said fixing device  
20 further comprises:

a second button for receiving an angle-regulating command; and

a Z-axial pressure-drawing module for moving toward a Z-axial  
direction to pivot said inclined panel, thereby regulating said inclination  $\beta$   
of said inclined panel relative to said horizontal.

25 10. The checking machine according to claim 9, wherein said Z-axial pressure-drawing module is one selected from a group of a pneumatic module, a hydraulic module and a motor-and-cam module.

11. The checking machine according to claim 1, wherein an end of said inclined panel is connected to said main holder, and said inclination  $\beta$  is regulated by a pivot of said inclined panel.

12. A checking machine for being used in a fabricating process of a display module and checking a position of a tape automated bonding (TAB) region, comprising:

a main holder having an inclined panel positioned at an inclination  $\beta$  relative to the horizontal, wherein the range of said inclination  $\beta$  is  $0^\circ < \beta \leq 90^\circ$ ;

10 a test plate for supporting said display module; and  
a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is checked,  
wherein said fixing device comprises:  
a first button for receiving an activation command; and  
15 a pressure-drawing device for moving toward said test plate to fix said test plate to said inclined panel.

13. The checking machine according to claim 12, wherein said pressure-drawing device comprises:

an X-axial pressure-drawing module for moving toward X-axial  
20 direction to fix a first end of said test plate in response to said activation command; and

a Y-axial pressure-drawing module for moving toward Y-axial direction to fix a second end of said test plate in response to said activation command.

25 14. The checking machine according to claim 13, wherein said fixing device further comprises:

a second button for receiving an angle-regulating command; and

a Z-axial pressure-drawing module for moving toward a Z-axial direction to pivot said inclined panel, thereby regulating said inclination  $\beta$  of said inclined panel relative to said horizontal.

15 The checking machine according to claim 12, wherein the range of said inclination  $\beta$  is  $20^\circ \leq \beta \leq 60^\circ$ .

16. A checking machine for being used in a fabricating process of a display module having a screen and checking a position of a tape automated bonding (TAB) region, comprising:

10 a main holder having an inclined panel positioned at an adjustable inclination  $\beta$ ;

a test plate having a hollow portion for suiting a size of said display module and a circuit plate disposed around said hollow portion for suiting said position of said tape automated bonding region;

15 an angle-regulating device for regulating said inclination  $\beta$  until said screen is nearly perpendicular to a line of a user's vision; and

a fixing device for fixing said test plate to said inclined panel, thereby said tape automated bonding region is electrically connected with said circuit plate.

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